PV-800 User's Manual

English

English

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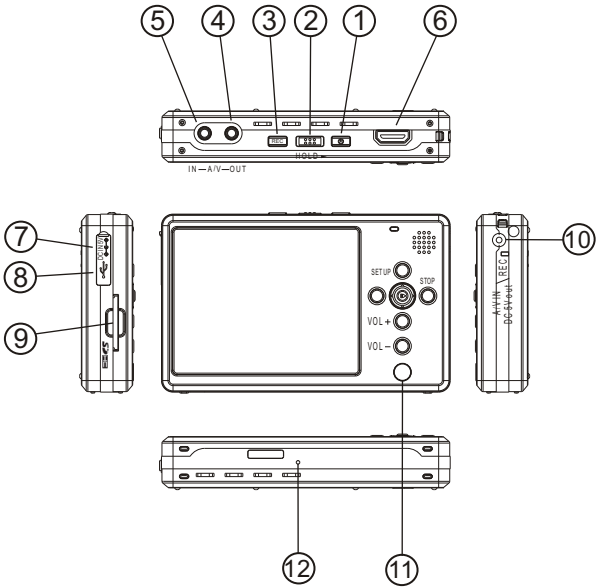
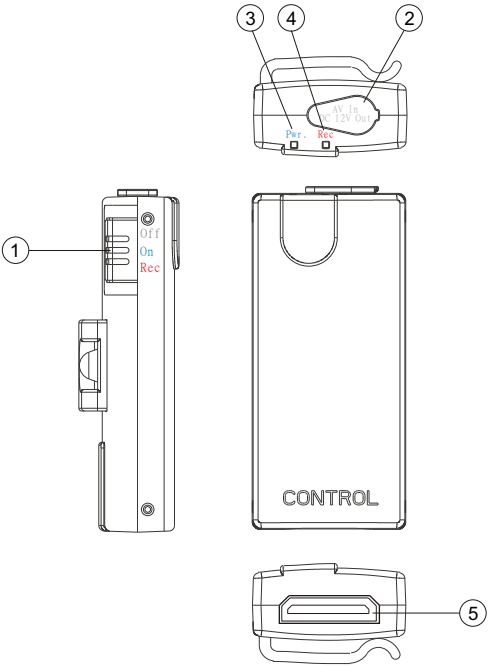
✻ Overview

⁘ PV-800 Main device



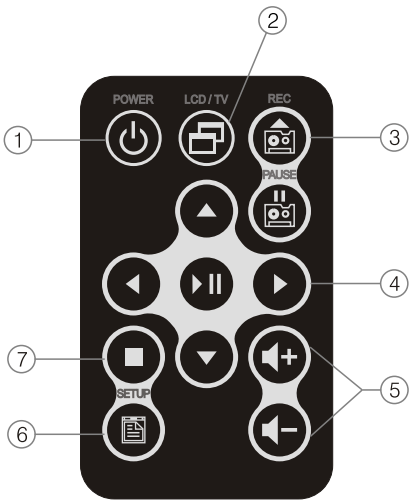
1. Power ON/OFF
2. Hold Button
3. Recording Button
4. AV Output
5. AV Input
6. Wire Control Port
7. Power Supply Jack
8. USB Jack
9. SD Card Slot
10. Camera In/DC 5V Out
11. IR Sensor
12. Reset Button

Wire Control



1. Power Off/On/REC
2. AV In/DC 12V Out Jack
3. Power Indication Light
4. REC Indication Light
5. Wire Control Port

Remote Control

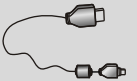


1. Power ON Button
2. LCD/TV Switch
3. Recording Button
4. Five-direction Key
5. Volume Button
6.Setup Button
7.ESC/STOP

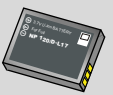
✲ Accessories

Stereo Earphones

RCA Cable


USB Cable

AC adaptor


Battery

User's Manual

Video Sensor
(Optional)

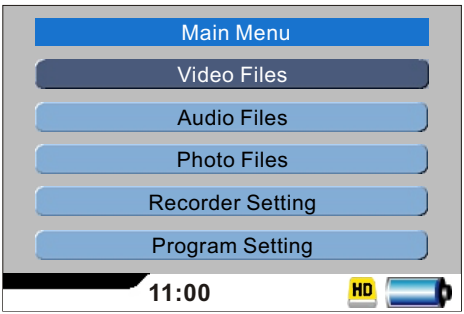
Remote Control
(Optional)

R/F Wireless Controller
(Optional)

Wire Control Cable
(Optional)

Wire Control
(Optional)

❊ Function Modes



- Movie : Video file playback
- Audio : audio file Playback
- Photo : browse images and pictures
- Record : external audio source recording and external video source recording
- Setting : set various functions

✻ Basic operation

✠ Turn on / off the player

Turn On: Stir the Power On/Off button on PV-800 to turn on the power and the greeting screen will appear.

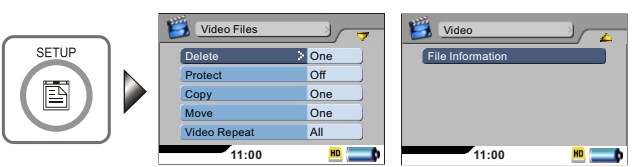
Turn off: Stir the Power On/Off button on PV-800 or press the Power button on the remote control to immediately turn off PV-800.

✠ Select Functions

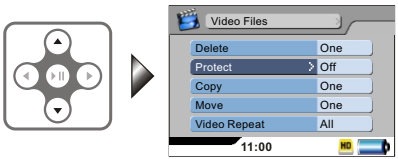
1. After the player is turned on, it will show the screen of Main Menu, press ▲ / ▼ / ◀ / ▶ to select desired functions.
2. After selection, press ⏯ to enter the function that you've selected.

✠ SETUP

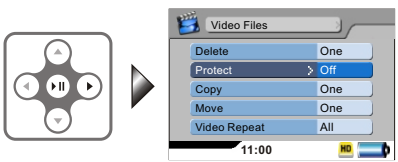
1. While you enter Video, Audio, Image modes, and various standby modes, press SETUP button to edit the settings.



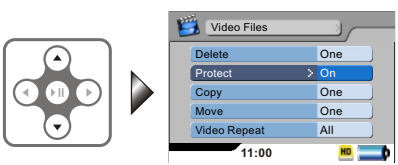
2. Select the item in the main menu: Press ▲ or ▼ to move the cursor.



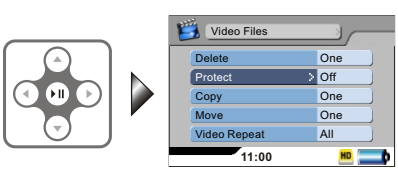
3. Enter the submenu: Press ▶ or ⏯ to enter the submenu.



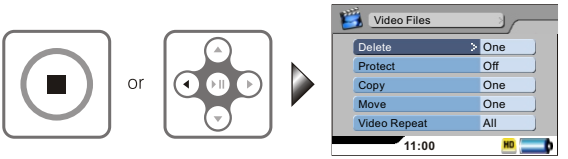
4. Select the item in the submenu: Press ▲ or ▼ to select the desired item.



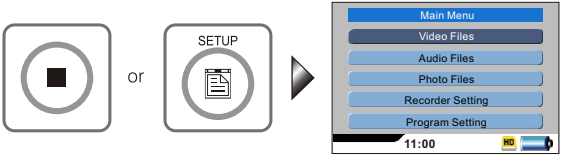
5. Confirm the setting: Press ⏯ to confirm the change of the setting.



6. Do not make any change and return to main menu: Press ◀ or ■.

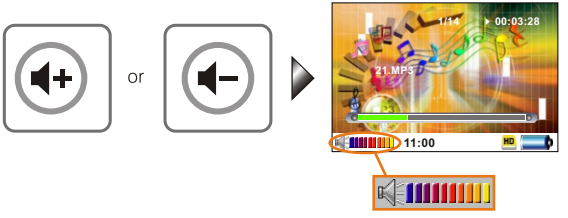


7. Exit SETUP: Press SETUP button or press ■ right after finishing the operation described in 6.



Adjust Volume

While playing Video, Audio or Slide + Audio, you adjust the sound volume by pressing the Volume buttons, volume varies in 10 steps.



REC Button

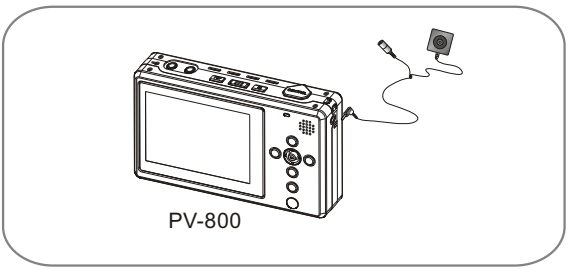
1. At the main setup page push the REC key on the PV-800 or the one on the remote controller to start recording instantly.

2. Stop Recording: Press STOP button to stop video recording and the screen returns to Main Menu.

✲ Basic Operation - Link with Other Equipments

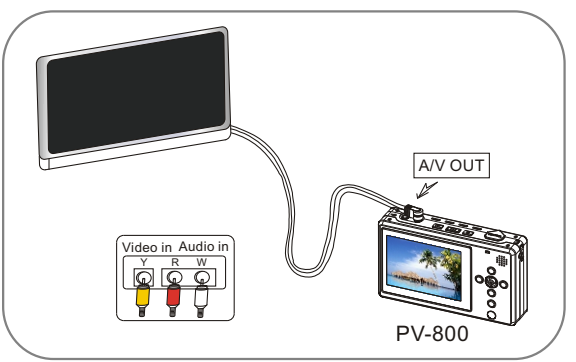
⁘ External Video Source Recording

1. By connecting with an external video sensor, it can record the video into video files in MPEG4 format (the file format is AVI).

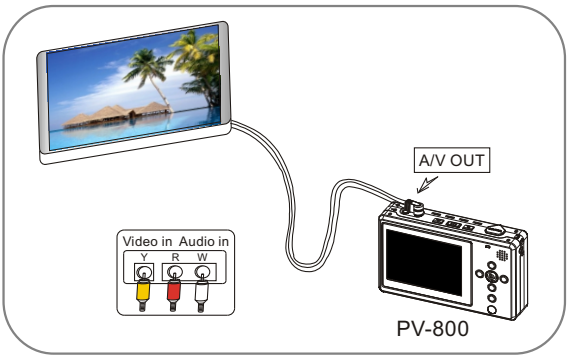


⁘ Output to TV Screen

1. Output the image to the TV through an RCA cable.

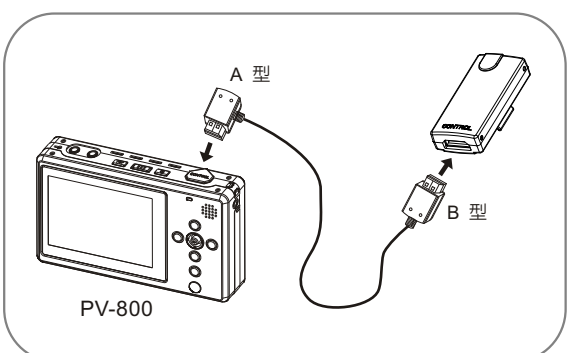


2. Enter the Setup Menu, change the setting of "Display" from "LCD" into "TV".



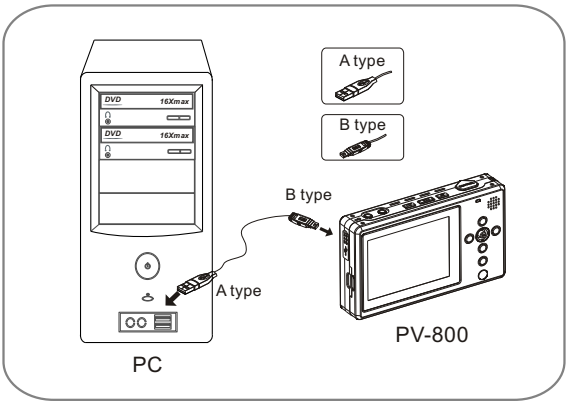
Connect to Wire Controller

1.Plug one end of the connecting cable to PV-800 wire control port , the other end to wired / RF wireless remote controller.



Connect to PC

1. Connect the two ends of the USB cable to PV-800 and PC.



2. An indication for “USB Mode” appears on the screen for 5 seconds after the link been proper installed & ready to use.

❊ Charging

⁘ When the power goes down, power LED indictor blinks (green) and the meter with no bars displays on the bottom right corner of the screen, which indicates that the power of the host exhausts and please recharge it immediately.

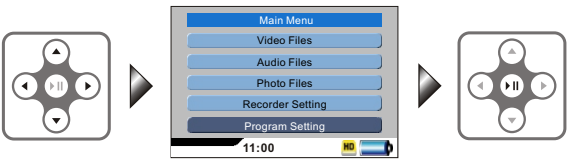
⁘ Connect the main device with the power supply and then plug the power supply into the electrical outlet. The LED light will always be on (orange light).

Precautions:

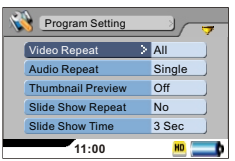
- The device will turn off the LED light to keep the life-span of the battery, please unplug the power supply promptly after finishing charging the battery.
- Please charge the battery last for 12 hours before 1st time to use.

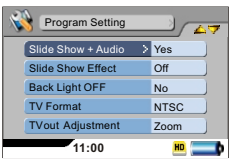
✻ Introduction to all Setting Functions

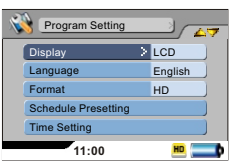
1. Operate in Main Menu: Press ▲ / ▼ / ◀ / ▶ to select the function, then press ▶II to enter the Setup Menu.

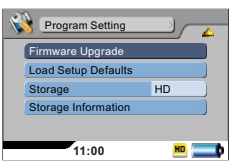


2. Enter the Setup Menu





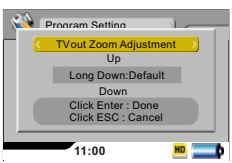




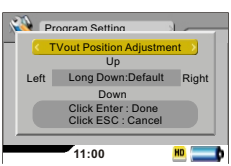
(1) Video playback repeat mode: allows you to repeat the playback of the selected single/all video files or stop after the playback of all video files.
(2) Audio playback repeat mode: for audio files in a similar way as that for video files.
(3) Thumbnail Preview: allows you to select on/off.
(4) Slide show repeat Mode: make a slide show of all the image files once or repeatedly.

(5) Slide Show Time Delay: set the time delay between each image as 3, 5, 7, or 10 seconds.
(6) Slide Show + Audio: make a slide show of the image files and meanwhile playback Audio files automatically (the image and audio files must be put in the same folder).
(7) Slide Show Effect: allows you to select on/off.
(8) Back Light Off Timer: set the time delay to turn off the backlight during playback to 30 seconds, 1 minute, 3 minutes or never turn off.
(9) TV Format: select the format of the TV to be NTSC or PAL.
(10) TVout Adjustment:

☐ TVout Zoom Adjustment: press ▲ or ▼ to select the zoom of Tvout.



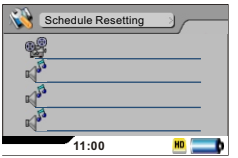
☐ TVout Position Adjustment: press ▲ or ▼ or ◀ or ▶ to select the zoom of TVout.



(11) Display Selection: it can be switched between LCD and TV.
(12) Language: choose the language of the operating interface.
(13) Format: format SD card.

(14) Schedule Presetting:

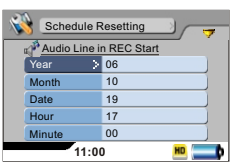
☐ Press ◀ or ▶ to select the items for the reserved recording, press ▶II to confirm the setting.

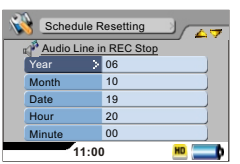


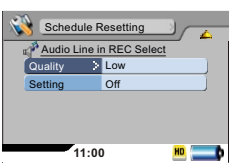
→ External Audio Recording

→ External Video Recording

☐ Time setting: please see "Basic Operation - SETUP" for the procedure of operating the buttons to set the start/end time and the quality for the two kinds of reserved recording modes.







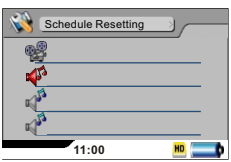
☐ Precautions:

- It is needed to set the "Setup" item as "ON" to successfully book the reserved recording.

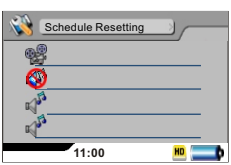
- The reservation will be executed only when the device is in Power on State.
- The recorded files will be stored in the "MyRecord" folder in the Video/Audio folder.

☐ Recording Fail:

- When there are conflicts in the time setting or when the storage space is not enough: it will show a red forbidden sign to warn that the reserved recording will not be operated, so please set up again.

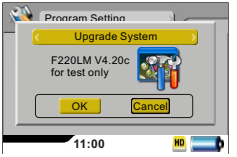


- Interrupt by unknown reasons during recording (low battery, no signal, insufficient space,... etc.): it will show a red forbidden sign to warn that the reserved recording failed.

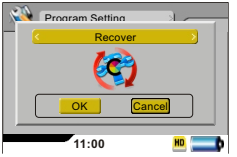


(15) Time Setting: please see "Basic Operation - SETUP" for the procedure of operating the buttons.

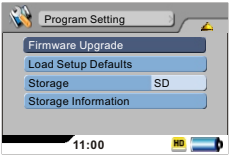
(16) Firmware Upgrade: insert the memory card which contains updated software into the device and press Enter button, after the system is updated, it will reboot automatically; if the message "Update Error" is shown, it means that there are errors during updating, it might be that the software is incomplete or the memory card has some problem, please use other memory cards, or reboot the device after inserting the memory card; Toshiba, SanDisk or Panasonic memory cards are.



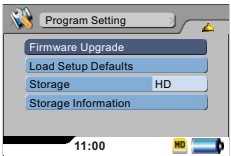
(17) Load Setup Defaults: select to reset default values.



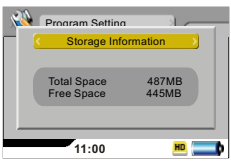
(18) Storage: PV-800 has two storage that SD or HD. Select SD storage before, be able to insert a SD card, then you can to set SD storage and show the word “SD” in the right side.



If set HD storage, it will show “HD” word in the right side.



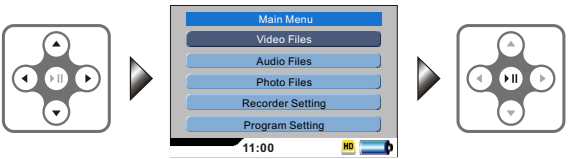
(19) Storage Information: show the size and the residual space.



❊ Video Playback

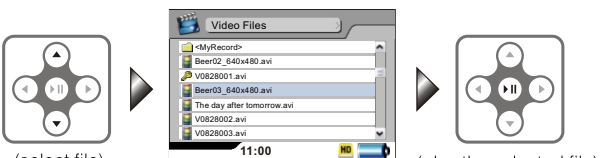
✠ Operations in Main Menu

Press ▲ / ▼ / ◀ / ▶ to select the video playback function, then press ▶II to enter.



✠ Operations in File List Mode

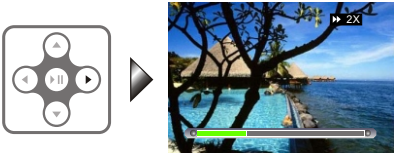
Press ▲ or ▼ to choose the file you want to playback, then press ▶II (if the filename is too long, press ◀ or ▶ to make the adjustment to show the complete filename; press ■ : return to the upper level menu).



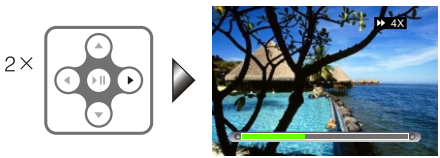
(select file) (play the selected file)

✠ Fast Playback

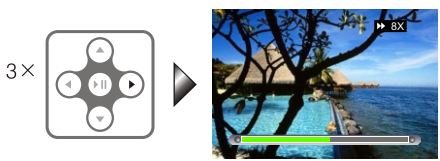
1. Double Speed Playback: press ▶ during normal playback, the video file will be played with a speed two times quicker; press ▶II to return to the normal playback speed.



2. 4 Times Speed Playback: press ▸ twice or press ▸ during Double Speed Playback, the video file will be played with a speed four times quicker; press ▸II to return to the normal playback speed.

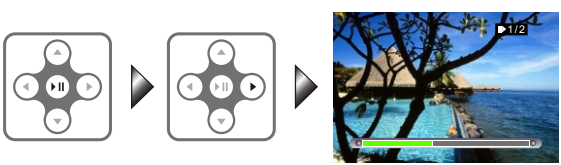


3. 8 Times Speed Playback: press ▸ three times or press ▸ during 4 TImes Speed Playback, the video file will be played with a speed eight times quicker; press ▸II to return to the normal playback speed.

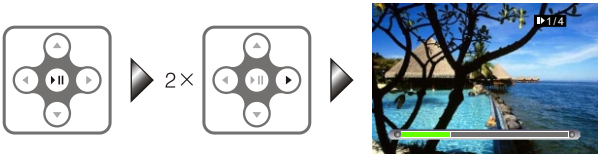


Slow motion function

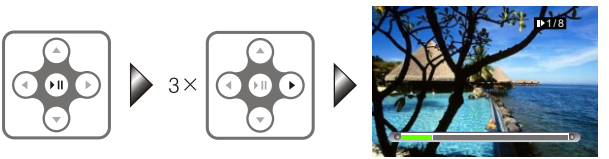
1. 1/2 Speed Slow Motion: press ▸ after pauseing the playback, the video file will be played in 1/2 Slow Motion; press ENTER button to return to the normal playback speed.



2. 1/4 Speed Slow Motion: press ▸ twice after pausing the playback, the video file will be played in 1/4 Slow Motion; press ENTER button to return to the normal playback speed.

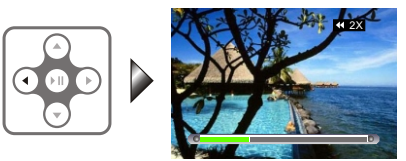


3. 1/8 Speed Slow Motion: press ▸ three times after pauseing the playback, the video file will be played in 1/8 Slow Motion; press ▸II button to return to the normal playback speed.



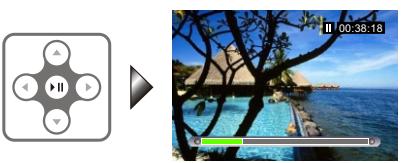
⁘ Reverse Playback

The Index bar will go back as the video played reversely; press ▸II to return to normal playback.



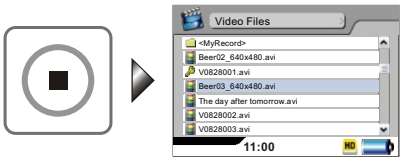
⁘ Pause

Pause the Video, Index Bar and the playing time counting; Press ▸II once again to return to normal playback.



Stop

Press ■ to stop playing and return to File List Mode



Video Capture

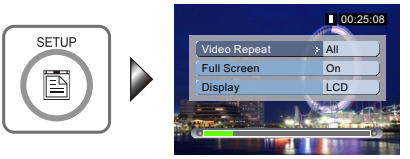
1. **Capture Image while the Video is playing:** Press PAUSE first and then press REC.

2. Return to normal Playback：Press ⏯ to return to normal playback.
3. The number of the captured pictures while the Video is playing is limited within 30, these files will be stored in "MyRecord" folder under photo mode with the filename: V0913001 (V-video, 0913 - MMDD, serial number 001-999); if the number of captured pictures exceeds 30, it will show the message "ABOVE RECORDING LIMITED TO 30 FILES" or "ABOVE RECORDING LIMITED TO 999 FILES" if the seria number exceed 999 in one day, press ■ to exit the messasge and return to PAUSE state.
   - Precautions: This function works only after pressing PAUSE during normal playback.

✲ Video Editing

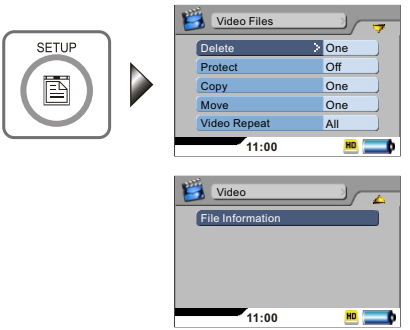
✲ During Video Playback

Press SETUP button, the video will be paused, and the setting items will appear, please see "Basic Operation - SETUP" for the procedure of operating the buttons.



✲ In File List Mode

Press SETUP button, the setting items will appear, please see "Basic Operation - SETUP" for the procedure of operating the buttons.



✲ Supported Video File Format

File Format	Resolution	Bit rate	Frame rate
	Under 720*480	Under 4 Mbps	Under 30 fps
AVI(DivX 4/5.0)	●	●	●
AVI(DivX 2/3)	✘	✘	✘
MPEG1(DAT, MPG—VCD file format)	✘	✘	✘
ASF	✘	✘	✘
RM	✘	✘	✘
WMV	✘	✘	✘
VOB (DVD file format without copy protection)	✘	✘	✘
MJPEG(AVI)	a-law, u-law		

Notice: ● can be played in PV-800 directly.
✘ can not be played directly, and is not able to be converted.

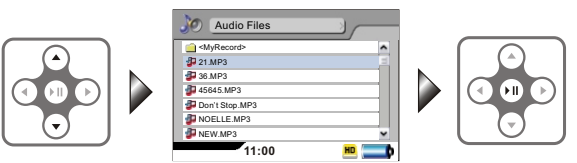
Audio Playback

Operations in Main Menu

Press ▲ / ▼ / ◀ / ▶ to select the file you want to play, after the file is selected, press ▶II to enter Audio Playback function.

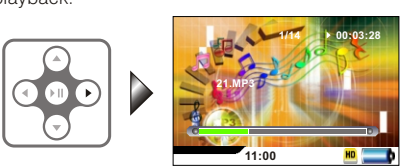
Operations in File List Mode

Press ▲ or ▼ to select the file you want to play, after the file is selected, press ▶II (if the filename is too long, press ◀ or ▶ to make the adjustment to show the complete filename; press ■ : return to the upper level menu) .



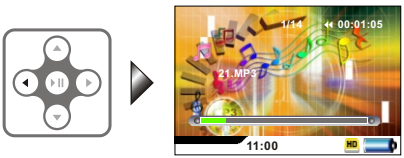
Fast Playback

During Fast Playback, the Index bar and the playing time counting will become faster along with the file playback; press ▶II to rerturn to the normal playback.



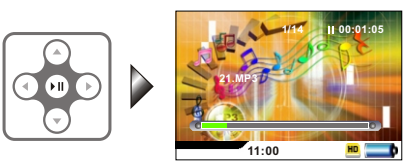
Reverse Playback

During Reverse Playback, the Index bar and the playing time counting will become reversed along with the reverse playback; press ⏯ to rerturn to the normal playback.



Pause

By pressing PAUSE button, the Audio, the Index bar and the playing time counting will be paused; press ⏯ once again to return to normal playback.



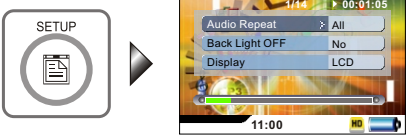
Stop

Press ■ to stop the playback immediately and return to File List Mode.

✲ Audio File Editing

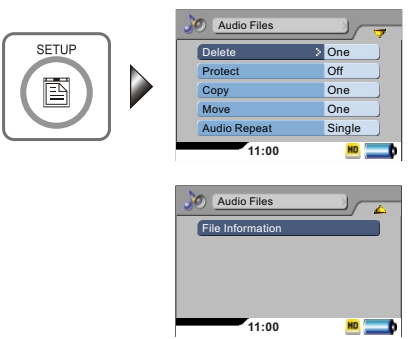
✲ During Audio Playback

Press SETUP button, the audio playback goes on, the setting items appears, please see "Basic Operation - SETUP" for the procedure of operating the buttons.



✲ In File List Mode

Press SETUP button, and the setting items will appear; please see "Basic Operation - SETUP" for the procedure of operating the buttons.



❊ Supported the form in audio frequency

File Format	
MPEG1 layer-3 version 1/2/2.5 stereo	●
MPEG1 layer-3 version 1/2/2.5 Joint-stereo	●
WMA(64 kbps～320 kbps)	●
WAV	●

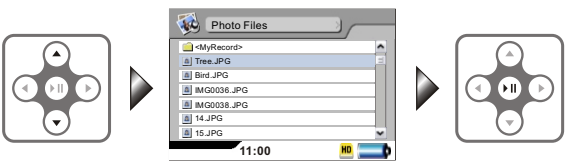
✻ Photo Browsing

⁘ Operations in Main Menu

Press ▲ / ▼ / ◀ / ▶ to select Image Browsing Mode and press ⏯ to enter.

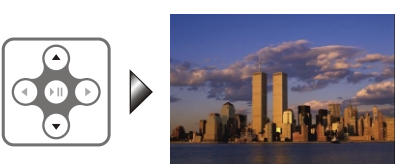
⁘ Operations in File List Mode

Press ▲ or ▼ to select the file you want to play, after the file is selected, press ⏯ (if the filename is too long, press ◀ or ▶ to make the adjustment to show the complete filename; press ■ : return to the upper level menu) .



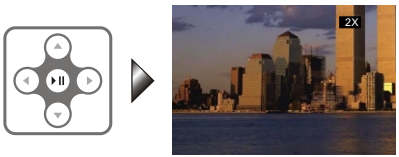
⁘ Select the Photo for Browsing

Press ▲ or ▼ to select to browse the previous or next image.

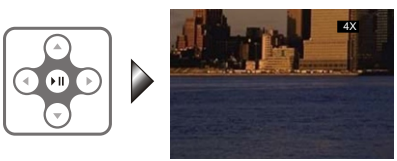


Zoom in the Photo by 2 times / 4 times

1. Zoom in by 2 times: press ⏯ (while the image is enlarged, press ▲ / ▼ / ◀ / ▶ to move the position).



2. Zoom in by 2 times: press ⏯ two times.

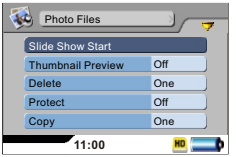


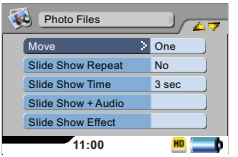
- Notice:
  The screen will show the current magnification -- 2X/4X; if the image is displayed in full screen state and 4X is shown,and at this moment if you press ⏯ without see any effect, it means that the image has been maginified to its maximum extent and it is impossible to enlarge any more.

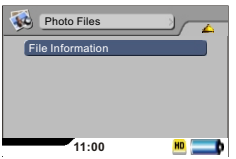
Slide Show + Audio

file listIn File List Mode or Image Browsing Mode, press SETUP button to show the setting items, select "Start Slide Show" and press ⏯ to start the Slide Show + Audio function (the image files and the Audio files that you want to play need to be stored in the same folder).

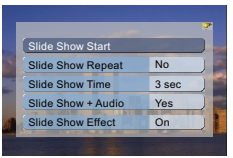
(In File List Mode)

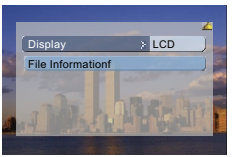






(During Image Browsing)





⁘ Pause

1. Pause Slide Show：
   Press ⏯ or ■ to pause Slide Show.
2. Cancel Pause：
   While Slide Show is paused, press ⏯ again.

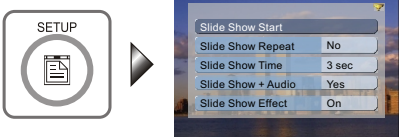
⁘ Stop the slide to broadcast

Press ■ once, after pressing PAUSE button.

✻ Photo Editing Mode

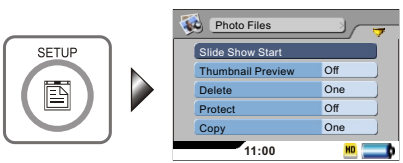
✠ During Photo Browsing

Press SETUP button, the setting items appear, please see "Basic Operation - SETUP" for the procedure of operating the buttons.



✠ In File List Mode

Press SETUP button, the setting items appear, please see "Basic Operation - SETUP" for the procedure of operating the buttons.



✻ Supported Photo File Format

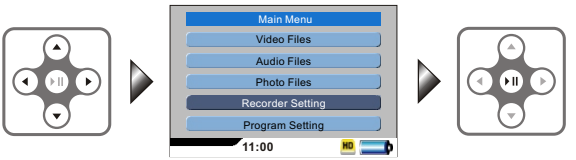
Encoding / File Format	Baseline	Progressive
JPG	Lower than 4096x4096	Lower than 1024x1024

English

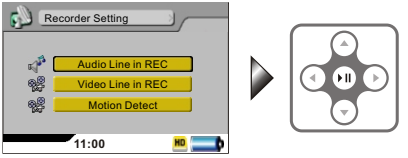
✻ Record

✠ Audio Line in REC

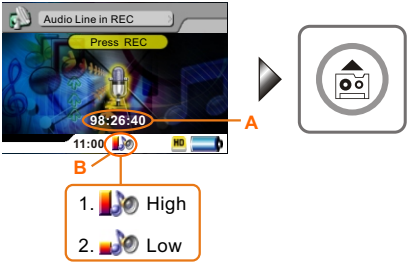
1. Select Record Function：
   Press ▲/▼/◀/▶ in Main Menu to select Record function, then press ⏯ to enter.



2. Select Audio Line in REC



3. Start Record：
   Press REC button to start recording, the file will be stored in "MyRecord" folder.

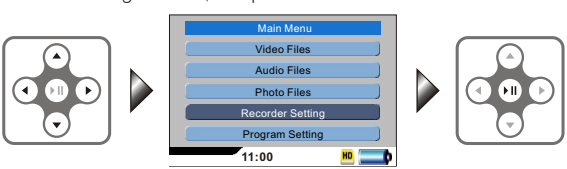


4. Stop：
   During the recording, press ■ or REC button to stop the recording immediately and return to the standby mode.
5. The recorded Video file will be stored in the "MyRecord" folder in MOVIE and the recorded sound file will be stored in the "MyRecord" folder in MUSIC.

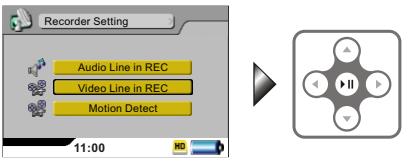
Video Line in REC

1. In Main Menu: At the main setup page push the REC key on the PV-800 or the one on the remote controller to start recording instantly.

2. Select Recording Function: In Main Menu: press ▲ / ▼ / ◀ / ▶ to select the recording function, and press ⏯ to enter.



3. Select Video Line in REC：Select External Video Source Recording, press ENTER button to enter standby mode (make sure to connect the video sensor to the AV IN jack on PV-800, it will record the video into a MPEG4 file whose format is AVI).



4. If the message "Press REC button" disappears: in Standby mode, if there is no operation within 5 seconds, the messages of recordable time, quality and "Press REC button" will disappear, you have to press REC button again to return to Standby Mode, and then press REC button in Standby Mode to start the recording.

5. Start Recording：Press REC button to start recording, the file is stored in "MyRecord" folder.

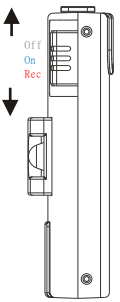
6. Stop Recording：
   During the recording, press ■ or REC button to stop the recording immediately and return to Standby Mode.
7. The recorded Video file will be stored in the "MyRecord" folder in MOVIE and the recorded sound file will be stored in the "MyRecord" folder in MUSIC.

❊ Remote Controller

⁘ Operating Remote Controller

1. Please notice to keep PV-800 turn off before insert wireless remote controller.
2. There is a three-position slide switch on controller, slide the switch to operate the device.

⁘ Function



1. Power Off:
   Slide the switch to **Off** position to power off the device.
2. Power On:
   Slide the switch to **On** position to power on the device.
3. Record:
   Slide the switch to **Rec** position to start recording.

✲ Specifications

Timer	Time
Display	• Resolution 320 x R.G.B x 240 • 3.45 inch TFT-LCD with LED backlight • NTSC/PAL composite output
AV IN/OUT	• AV input/output through two φ3.5mm jacks
CCD In/DC5V Out	• CCD input/DC 5V output through φ2.5mm jack
LED Indication Light	• LED1 - Charging (orange) • LED2 - Power (green) • LED3 - Audio/Video recording (red)
Storage Device	• SD card(support SDHC card)+Hard Disc
Computer Connection	• USB 2.0 mini connector
Power System	• Rechargeable/Exchangeable Lithium Ion Battery 3.6V 1250mAh. • Power supply 100~240 V, 50~60 Hz
Dimension / Weight	• 23.5 x 80 x 130 mm • 264.8 g/216 g, with/out the battery respectively
System Requirements	• Operating system: Window2000, Window XP • CPU: Intel Pentium III 800 MHz and beyond • Relevant hardware accessories: USB port, Mouse, CD-ROM, Windows-compatible display with a required resolution of 1024 x 768

❊ Supported Video File Format

⁘ Supported Video File Format

File Format	Resolution	Bit rate	Frame rate
	Under 720*480	Under 4 Mbps	Under 30 fps
AVI(DivX 4/5.0)	●	●	●
AVI(DivX 2/3)	✘	✘	✘
MPEG1(DAT, MPG—VCD file format)	✘	✘	✘
ASF	✘	✘	✘
RM	✘	✘	✘
WMV	✘	✘	✘
VOB (DVD file format without copy protection)	✘	✘	✘
MJPEG(AVI)	a-law, u-law		

Notice: ● can be played in PV-800 directly.
✘ can not be played directly, and is not able to be converted.

✠ Supported the form in audio frequency

File Format	
MPEG1 layer-3 version 1/2/2.5 stereo	●
MPEG1 layer-3 version 1/2/2.5 Joint-stereo	●
WMA(64 kbps～320 kbps)	●
WAV	●

✠ Supported Image File Format

Encoding / File Format	Baseline	Progressive
JPG	Lower than 4096x4096	Lower than 1024x1024

❊ Precautions

Before using this product, please read this manual in detail to ensure you are using this product properly.

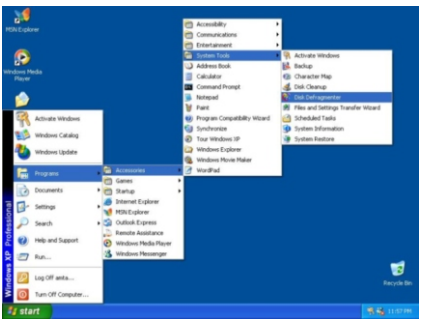
- ✻ All keypad functions invalid except the “HOLD” switcher while the cable controller been plugged to use & dominate the whole operation instead
- ✻ All the recorded files are stored in the "MyRecord" folder.
- ✻ If the file is corrupted so that it cannot be played, The sysrem will return to the file detailed list.
- ✻ The player can distinguish an unlimited number of files/folders. However, within a folder, only up to 999 files can be distinguished.
- ✻ The supported audio format in video file are only WMA, WAV, not including AC3, DTS, AAC or else.
- ✻ All data in the device may be deleted due to excessive impact, lightning, power surge etc., the manufacturer does not bear or guarantee the losses caused in the above conditions, please protect and back up the data in the device properly.
- ✻ Please do avoid heavy vibration while recording, which might damage the hard disc or other components inside the unit.
- ✻ Please do not apply heavy pressure on your PV-800; the player may be damaged because of heavy pressure.
- ✻ While plug the SD card if the card can not slide smoothly to the end, do not enforce to push it, which might damage the memory card & the unit. Check if the card is plugged into with the right side.
- ✻ While take out the SD card, push the card first gently then pull out it after the card latch inside the unit was lose. If the memory card is inserted in the wrong direction, the card can not be pushed completely into the bottom of the slot, please do not push hard to avoid damaging the card and the device.
- ✻ Link the PV-800 with PC via USB cable to read, download & save the files in the hard disc directly.
- ✻ If you connect the device to a PC through USB, and use the computer to format the storage device, please use FAT32 format.
- ✻ Please do not scrub the LCD with hard materials, because the LCD is easy to be damaged. If you want to remove the dust on the LCD screen, please clean the body with a soft dry cloth, if dirt or stains are left, you can clean it with a little soft cleansing liquid; do not use volatile solutions because they will cause chemical reactions, thus the device might be deformed or discolored.
- ✻ If the device is moved from a cold place to a warm one, the LCD screen will fog up; if this situation takes place, please turn off your PV-800 and wait for about one hour before use.
- ✻ Do not store or operate the PV-800 under such environment below:
  1. High humidity.
  2. Directly exposed to the sunshine or closed location with high temperature as well as the extra-low one.
  3. Places with heavy vibration or strong magnetic fields, e.g.: close to automobiles, voltage transformers or magnets.

✻ Do the defragment to the hard disc in every 1～2 months to make sure it working better normal & correct.

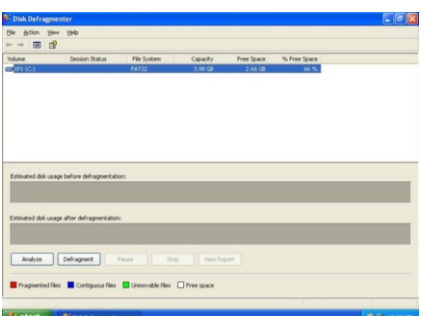
Fragment:

Step 1 Please link the PV-800 with PC via the USB cable. (More installation details please refer the page 92).

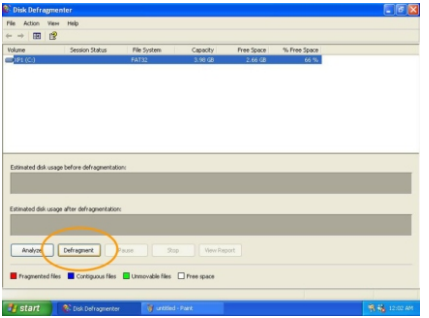
Step 2 Browse the mouse cursor to the "START" on the corner of the table & click it then browse the cursor to the All Programs Subsidiary Application ProgramsSystem toolsfragment tool.

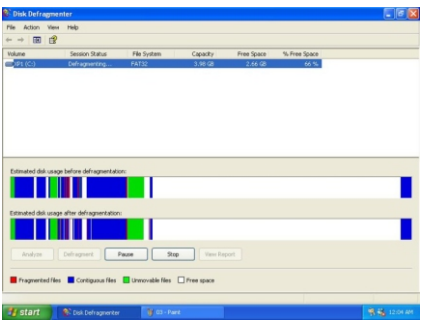


Step 3 Select the hard disc device from the PV-800 which been linked well & detected by PC to be the target to start the fragment task to.



Step 4 Once under the fragment, an analysis will come first, after then will start to do the fragment accordingly.


Disk Defragmenter
File Action View Help
Volume Session Status File System Capacity Free Space % Free Space
(F:) FAT32 3.98 GB 2.66 GB 66 %
Estimated disk usage before defragmentation:
Estimated disk usage after defragmentation:
Analyze Defragment Pause Stop View Report
Fragmented files Contiguous files Unmovable files Free space
start Disk Defragmenter untitled - Paint


Disk Defragmenter
File Action View Help
Volume Session Status File System Capacity Free Space % Free Space
(F:) Defragmenting... FAT32 3.98 GB 2.66 GB 66 %
Estimated disk usage before defragmentation:
Estimated disk usage after defragmentation:
Analyze Defragment Pause Stop View Report
Fragmented files Contiguous files Unmovable files Free space
start Disk Defragmenter